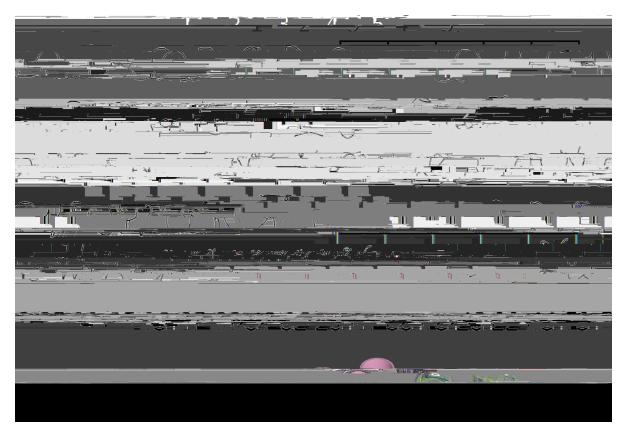
# Mathematical Puzzle Programs



# Getting on Top of Things

# **Example Puzzle**

A friend passes you a note with the following strange image.



She's recently been interested itopology, the study of structures that can be morphed from one to another without cutting or tearing, such as the donut and co ee cup shown in the imagean you decode the number pairs by nding ve groups of topologically-equivalent letters? Try writing each group in alphabetical order on the corresponding rows of the grid...

## Mathematical Puzzle Programs



# **About MaPP**

The mission of Mathematical Puzzle Programs (MaPP) is to organize quality events which get students having fun by learning and using mathematics.

#### Math

Our mathematical content is pulled from various areas unrepresented in the usual secondary curriculum, such as design theory, game theory, or topology.

#### **Puzzles**

We shredded the multiple choice tests, and instead designed several mathematical puzzles which will give your students a taste of real mathematical problem solving, and prepare them for the types of questions asked in many job interviews.

#### Team-Building

MaPP features a team-based competitions, emphasizing collaboration and communication over individual work, as teamwork is crucial for success in both industry and academia.

#### FUN!

Many of the challenges can't be solved sitting down - players will not themselves running around their host campus to track down clues and uncover new puzzles to solve.

# **Programs**

#### High School Challenge

A game for 9th-12th grade students which showcases the fun of mathematics as well as featuring the host campus with a customizable opening puzzle.

#### Middle School Challenge

A game for 6th-8th grade students perfect for inspring younger audiences to engage in mathematics.

### How to Get Involved

### Contact

Become a MaPP partner campus! Web: MaPPmath.org

Contribute a puzzle!

Twitter: @MaPPmath

Spread the word!

Visit or volunteer at a competition near you! Email: director@mappmath.org

Download our free puzzle materials! Email: communications@mappmath.org